

Work Order ID 161892

161892

Page 1

Tuesday, May 23, 2017 11:00:35 AM

Item ID: D350-822-013 Accept *N900040100* Setup Start *NS1*
 Revision ID: Stop *NS2*
 Item Name: PA100 PUREair System for AS350/EC130 - Provisions
 Start Date: 6/6/2017 Start Qty: 2.00 *2* Cust Item ID:
 Required Date: 6/13/2017 Req'd Qty: 2.00 *2* Customer:
 Reference:

Approvals: Process Plan: MA DAS 21 9-89 Date: 2017 05 23 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start *NR1*
 Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D350-822	F								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.04							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D350-822-013 CHG001								
						2	DAS 28 9-89	JUN 02 2017	
110	Pick Kit	0.00							
110									
Packaging	Memo	0.04							
Packaging									
						2	JUN 01 2017	DAS 6 9-89	DAS 27 9-89
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.06							
Quality Control									
						2	DAS 28 9-89	JUN 02 2017	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

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161892

Page 2

N900040100

Setup Start *NS1*

Stop *NS2*

Stop *NS2*

Cust Item ID:

Customer:

Reference:

Run Start *NR1*

Stop *NR2*

**Insp.
Stamp**

0.00

Packaging

Memo

Identify and pack for shipping as per PPP D350-822-013
Location:

0.06

2

DAS
28
9-89

~~JUN 02 2017~~

QC21- Final Inspection - Work Order Release

0.00

QC21- Final Inspection - Work Order Release

Memo

0.20

DAS
21
9-89

JUN 02 2017

DAS
21
9-89

JUN 02 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Picklist Print

Tuesday, May 23, 2017 11:00:33 AM

Page 1

Work Order ID: 161892

161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A 16.09.01 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

NAS1149D0332J

Purchased

No

110

Each

1,366.000

58

116

NAS1149D0332.J

Washer

**

JUN 01 2017

DAS
27
9-89

Location

Loc Qty

Loc Code

FP

241

m136015

8

m137075

233

GA

332

m136643

332

ST264

793

m136015

0

m137412

793

650.0401

Manufactured

No

110

Each

9.0000

1

2

650 0401

PUREair Fairing Assembly

**

JUN 01 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG107

3

155153

1

155155

1

155157

1

FG108

6

152522

1

155148

1

155149

1

155150

1

155151

1

155152

1

DAS
28
9-89

DQA: _____ Date: _____

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Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval		
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38								38	
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Picklist Print

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Page 2

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161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

D4925-041

Manufactured No

110 Each

9.0000

1 2

D4925-041

Mounting Plate Assembly

**

DAS
6
9-89

JUN 01 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST218

9

151082

5

159038

4

2

D4931-1

Manufactured No

110 Each

6.0000

1 2

D4931-1

Engine Fitting (for acft models B2 & previous)

**

DAS
6
9-89

JUN 01 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

st138

6

155900

6

2

D4931-3

Manufactured No

110 Each

12.0000

1 2

D4931-3

Engine Fitting (for B3 models)

**

DAS
6
9-89

JUN 01 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

st138

12

151251

2

158799

10

2

D4931-5

Manufactured No

110 Each

7.0000

1 2

D4931-5

Engine Fitting (for B3e models)

**

DAS
6
9-89

JUN 01 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

st138

7

155870

3

158929

4

2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

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Picklist Print

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Page 3

Work Order ID: 161892

161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

D4935-1 Manufactured No

110 Each 36.0000 6 12

D4935-1

Mounting Bracket

**

DAS 6 9-89

JUN 01 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST139

36

151109
158010

16
20

D4943-1 Manufactured No

110 Each 12.0000 1 2

D4943-1

Flex Hose

**

DAS 6 9-89

JUN 01 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

st220b

12

155430

12

D4961-041 Manufactured No

110 Each 6.0000 1 2

D4961-041

Tube Assembly

**

DAS 6 9-89

JUN 01 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST139

6

151102
158125
159053

2
2
2

D4961-043 Manufactured No

110 Each 9.0000 1 2

D4961-043

Tube Assembly

**

DAS 6 9-89

JUN 01 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST140

9

155858
156327
158818

1
4
4

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Shop Packet Print

Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Picklist Print

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Page 4

Work Order ID: 161892

161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

D5079-1

Manufactured No

110

Each

18.0000

2 4

D5079-1

Placard, EAPS

**

JUN 01 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST148

18

156467

6

2/15/2017

159498

6

3/18/2018

158099

6

3/21/2018

D5090-041

Manufactured No

110

Each

9.0000

1 2

D5090-041

Duct Assembly

**

JUN 01 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

st222B

9

151549

1

158363

4

159050

4

D5105-1

Manufactured No

110

Each

14.0000

2 4

D5105-1

Handle

**

JUN 01 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

st151

14

155262

2

155872

6

157998

6

D5110-1

Manufactured No

110

Each

10.0000

1 2

D5110-1

Swivel Nut Fitting

**

JUN 01 2017

DAS 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST152

10

150856

10

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Shop Packet Print

Page 4

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS					
				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
				Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
				Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐		
				Large Fab ☐	Composite ☐	Supplier ☐			
Date : _____		Step #: _____			QTY Effective : _____		MRB (QSI042) Approval		
Description Work Order Deviation				Disposition					
								Completed By _____	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
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Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Page 5

Work Order ID: 161892

161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

D5179-1 Manufactured No

110 Each

33.0000

2 4

D5179-1

Doubler

**

JUN 01 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST220

33

149870

1

155874

8

158420

4

159962

20

D5179-3 Manufactured No

110 Each

12.0000

2 4

D5179-3

Doubler

**

JUN 01 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST220

12

155896

8

158011

4

D5194-1 Manufactured No

110 Each

14.0000

2 4

D5194-1

Doubler

**

JUN 01 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST220

14

155891

4

158435

6

159105

4

D5208-041 Manufactured No

110 Each

23.0000

3 6

D5208-041

Blanking Plate Assembly

**

JUN 01 2017

DAS
6
9-89

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST158

23

158361

20

160076

3

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Shop Packet Print

Page 5

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : _____									

Picklist Print

Tuesday, May 23, 2017 11:00:34 AM

Page 6

Work Order ID: 161892

161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

8411999090 9752100180

Purchased No

110 Each

0.0000

1 2

JUN 01 2017

8411999090

Gasket - P/N 9752100180

9752018044

Purchased No

110 Each

8.0000

1 2

JUN 01 2017

9752018044

Gasket (for B3 models)

Location

Loc Qty

Loc Code

ST589

8

m136535

8

9945000120

Purchased No

110 Each

19.0000

1 2

JUN 01 2017

9945000120

Gasket (for B3e models)

Location

Loc Qty

Loc Code

ST589

19

m136629

19

23350CA050

Purchased No

110 Each

85.0000

2 4

JUN 01 2017

23350CA050

WASHER

Location

Loc Qty

Loc Code

ST579

85

m135603

85

AN821-12J

Purchased No

110 Each

17.0000

2 4

JUN 01 2017

AN821-12J

Elbow (or AN821-12K or 12S)

Location

Loc Qty

Loc Code

OVER007

16

M137047

10

M137587

6

ST324

1

M135704

1

Tuesday, May 23, 2017 11:00:34 AM

Shop Packet Print

Page 6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			OTHER : ☐																	

Picklist Print

Tuesday, May 23, 2017 11:00:34 AM

Page 7

Work Order ID: 161892

161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

AN929-12J

Purchased

No

110

Each

13.0000

1

2

AN929-12J

Cap

DAS
28
9-89

Location

Loc Qty

Loc Code

ST322

13

m136648

5

m137333

4

m137587

4

**

JUN 01 2017

DAS
27
6
9-89

EN3686-050016

Purchased

No

110

Each

41.0000

2

4

FN3686-050016

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST561

41

m135700

9

m137156

32

**

JUN 01 2017

DAS
27
6
9-89

LN9038-05012

Purchased

No

110

Each

278.0000

32

64

LN9038-05012

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

ST564

278

m135704

47

m137112

130

m137315

63

m137478

38

**

JUN 01 2017

DAS
27
6
9-89

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Picklist Print

Page 8

Tuesday, May 23, 2017 11:00:34 AM

Work Order ID: 161892

161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

LN9038-05040

Purchased

No

110

Each

60.0000

1

2

I N9038-05040

Bolt

**

JUN 01 2017

DAS 6 9-89
DAS 27 9-89

Location

Loc Qty

Loc Code

st555

20

m135803

20

ST572a

20

m136260

20

st579A

20

m135703

20

2

DAS 28 9-89

LN9348-05

Purchased

No

110

Each

311.0000

26

52

I N9348-05

Nut

**

JUN 01 2017

DAS 6 9-89
DAS 27 9-89

Location

Loc Qty

Loc Code

ST564

311

m135704

311

52

DAS 28 9-89

MS20470AD3-4

Purchased

No

110

Each

4,960.000

18

36

MS20470AD3-4

Rivet, Universal Head

**

JUN 01 2017

DAS 6 9-89
DAS 27 9-89

Location

Loc Qty

Loc Code

GA

1031

m136851

1031

ST310

3929

m136665

3929

36

DAS 28 9-89

Tuesday, May 23, 2017 11:00:34 AM

Shop Packet Print

Page 8

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition																					
38 DVE								Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																				
OTHER : _____																									

Picklist Print

Tuesday, May 23, 2017 11:00:34 AM

Page 9

Work Order ID: 161892

161892

Parent Item: D350-822-013

D350-822-013

Parent Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017

Required Date: 6/13/2017

Start Qty: 2.00

Required Qty: 2.00

MS21919WCH12

Purchased

No

110

Each

27.0000

1

2

MS21919WCH12

Clamp

**

JUN 01 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

OVER007

20

m137371

20

ST291

7

m135600

7

MS9592-138

Purchased

No

110

Each

13.0000

1

2

MS9592-138

Bracket

**

JUN 01 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST267

13

m135704

3

m137075

10

NAS43DD3-64

Purchased

No

110

Each

12.0000

1

2

NAS43DD3-64

Spacer

**

JUN 01 2017

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

5

m132461

5

ST550

7

m135603

7

Tuesday, May 23, 2017 11:00:34 AM

Shop Packet Print

Page 9

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step # : _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By _____	
38								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : _____									

REFERENCE ONLY

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
1**		QR10616	TUBE REPAIR KIT
1**		QB21304	PUREAIR PANEL ASSY
1**		QB21310	TRANSITION DUCT ASSY
1**		QB21308	FOD SCREEN ASSY
15**		LN29985-A05	ANCHOR NUT
56**		LN9038-05018	BOLT
56**		BS4320-A5	WASHER
40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
2	2	23350CA050	LOCKING TAB
2	2	AN821-12J	ELBOW (OR AN821-12K OR AN821-12S)
1	1	AN929-12J	CAP
58	58	BS4320-A5	WASHER (OR NAS1149D0332J)
2	2	EN3686-050016	SCREW
32	32	LN9038-05012	BOLT
1	1	LN9038-05040	BOLT
26	26	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WHG12	CLAMP
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE

Work Order ID 161892

161892

Page 1

Tuesday, May 23, 2017 11:00:35 AM

Item ID: D350-822-013 Accept *N900040100* Setup Start *NS1*

Revision ID: Stop *NS2*

Item Name: PA100 PUREair System for AS350/EC130 - Provisions

Start Date: 6/6/2017 Start Qty: 2.00 *2*

Cust Item ID:

Required Date: 6/13/2017 Req'd Qty: 2.00 *2*

Customer:

Reference:

Run Start *NR1*

Approvals: Process Plan: PA Date: 20170523 Tooling: _____ Date: _____

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D350-822	F								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.04							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D350-822-013 CHG001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.04							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.06							
Quality Control									

CB

2

JUN 01 2017



Department of Transport

Supplemental Type Certificate

This approval is issued to:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario
Canada K6A 1K7

Number: SH14-14

Issue No.: 2

Approval Date: June 12, 2014

Issue Date: July 23, 2015

Responsible Office:

Prairie and Northern

Aircraft/Engine Type or Model:

Airbus Helicopters AS 350 B, AS 350 B1, AS 350 B2,
AS 350 B3, AS 350 BA, EC 130 B4, EC 130 T2.

Canadian Type Certificate or Equivalent:

H-83

Description of Type Design Change:

Installation of an Active Vortex Tube Inlet Filtration System
(PA100 PUREair System)

**Installation/Operating Data,
Required Equipment and Limitations:**

Installation of the PA100 PUREair System must be in accordance with Transport Canada Civil Aviation (TCCA) approved Dart Aerospace Ltd. Installation Instructions IIN-D350-822 Revision E, dated July 20, 2015 or later TCCA approved revision.

Operation with the PA100 PUREair System installed must be in accordance with TCCA approved Dart Aerospace Ltd Flight Manual Supplement FMS-D350-822 Revision B, dated July 21, 2015, or later TCCA approved revision.

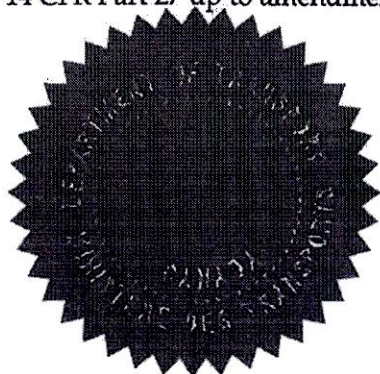
Maintenance of the PA100 PUREair System must be in accordance with TCCA accepted Dart Aerospace Ltd. Instructions for Continued Airworthiness ICA-D350-822 Revision 2, dated July 21, 2015, or later TCCA accepted revision.

Definition of the Type Design Change: TCCA approved Dart Aerospace Ltd. Master Document List MDL-D350-822 Revision H, dated July 21, 2015, or later TCCA approved revision.

Basis of Certification for affected areas: AWM 527 at Change 527-3 plus technical standards contained in 14 CFR Part 27 up to amendment 27-32.

— End —

Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated **will not** adversely affect the airworthiness of the modified product.



Greg Oucharek
For Minister of Transport

Canada